BRUHAT BANGALORE MAHANAGARA PALIKE

WARD NO.07, BYATARAYANAPURA

Name of work:- Improvements to roads and drains at Jakkur Gramatana in ward no.07, Byatarayanapura

P-code:-

Est cost:15.00 lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to roads and drains at Jakkur Gramatana in ward no.07, Byatarayanapura

Sl.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.133, I.No.19.1 of PW,								
	5th B cross LHS		1	80.00	0.45	0.45	16.20		
	6th B cross		2	120.00	0.45	0.45	48.60		
	7th B cross		2	50.00	0.45	0.45	20.25		
	Meese hanumanthappa		1	270.00	0.45	0.60	72.90		
							157.95	86.92	**13729.00**
	Basic Rate:	cum	82.00						
	Area Weightage @ 6%		4.92						
	Total		86.92						
2	Providing and constructing load bearing wall with solid concrete solid blocks having block density not less than 18000 Kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confimring to IS 2185 (pART 1):2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materialsincluding cost of all materilas, labour charges, scaffolding, curing complete as per specifications. with solid concrete blocks 400x200x200mm (PWDSR 2015-16, I. 5.27.1, P. 25.1)								
	5th B cross LHS		1	60.00		0.20	12.00		
	6th B cross		2	120.00		0.20	48.00		
	7th B cross		2	150.00		0.20	60.00		
	main road		2	130.00		0.20	52.00		
							32.00	5338.35	**170827.00**
	Basic Rate:	Sqm	937.00						
	Area Weightage @ 6%		56.22						
	Total		993.22						
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)								

Sl.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
	For ramps for the drains of Meesehanumnathapp		1	270.00	0.30	0.15	12.15		
							12.15	5338.35	**64861.00**
	Basic Rate:	cum	5046.00						
	Area Weightage @ 6%		302.76						
	Total		5348.76						
3	KSRB4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.69 cum and fine aggragtes @ 0.459cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications. (Page No. 12. Item No. 4.6)								
	For ramps for the drains of Meesehanumnathapp		1	270.00	0.30	0.10	8.10		
							8.10	5338.35	**43241.00**
	Basic Rate:	cum	5441.00						
	Area Weightage @ 6%		326.46						
	Total		5767.46						
4	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Cover Slab	Sqm							
	5th B cross LHS		1	80		0.60	48.00		
	6th B cross		2	120		0.60	144.00		
	7th B cross		2	50		0.60	60.00		
	Meese hanumnathappa layo		1	270		0.90	243.00		
							495.00	2100.00	**1039500.00**
5	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per								
							157.95	106.00	**16743.00**
	Basic Rate	cum	**68.00**						
	Rs. 2.50 Tonne Km.								
	Average Weight of earth								
	For 10 Km								
	Rs.2.50X1.28TonneX10Km		**32.00**						
	Total		**100.00**						
	Add Area Weightage6%		**6.00**						
			106.00						

Sl.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
6						Total Construction Cost			1348901.00
7						KRIDL Charges @ 10%			134890.10
8						Labour cess charges@ 1%			13489.01
9						Miscellaneous and rounding off			2719.89
								Total	1500000.00
Certificate.									

1 The workspot was inspected and work is found to be necessary.
2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3 The rates adopted based on the PWD SR, Bangalore circle for year 2016-17.
4 The provisions made in the estimate are necessary and essential.

Assistant Engineer

Assistant Executive Engineer

Executive Engineer 23/12

ADMINISTRATIVE APPROVAL

Accorded For Rs. Fifteen lakhs only

Head of A/c. P-3333

Div. Ref. No. 144/17-18 Date 23/12/17

AE

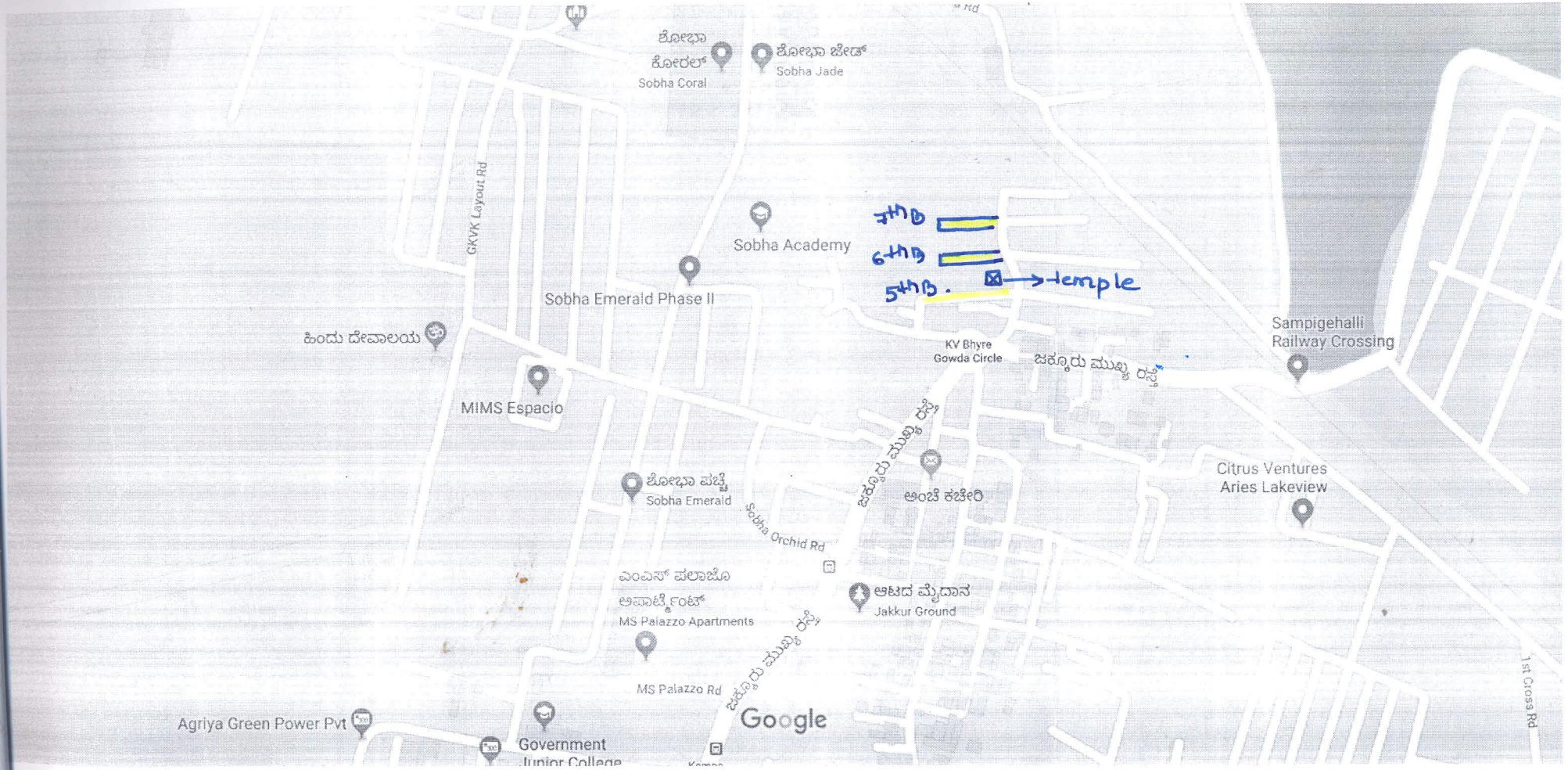
EE(BTP) 23/12

Technical Sanction
Accord 15.00 lakh Rs.
Head of P3333
CER NO 529 12/01/18

TA

CE (YNK)

Google



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Assistant [illegible]
Kodigehalli [illegible]
Bruhat Bangalore [illegible] Palike
Bangalore - 560 092

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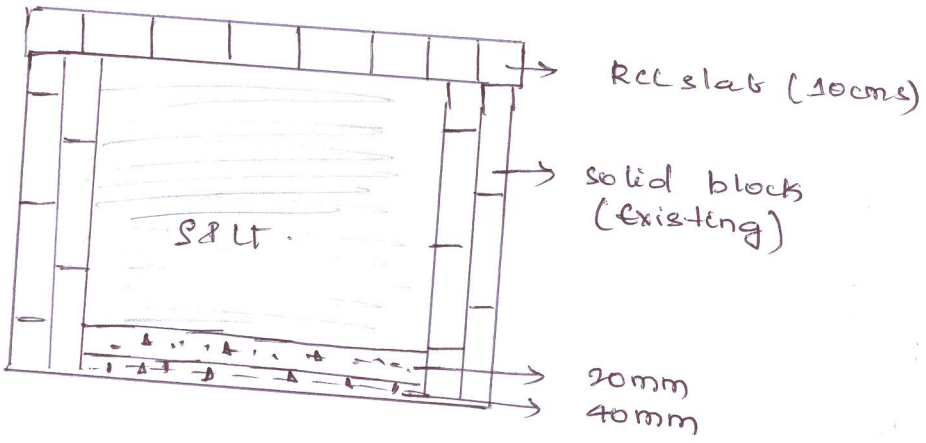
Improvements to Roads & drains at Jakkur Grama Tana in Ward no. 07, Byatarayanapura



CROSS-SECTION OF PROPOSED DRAIN

AE(WT)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092